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anti-SMARCA2 antibody (AA 1400-1586)

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Publications



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Overview

Quantity:	150 μg
Target:	SMARCA2
Binding Specificity:	AA 1400-1586
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SMARCA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Human Brm aa. 1400-1586
Clone:	24-BRM
Isotype:	lgG1
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Dog (Canine), Chicken
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
	2. Please refer to us for technical protocols.
	3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
	4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide
	compounds in running water before discarding to avoid accumulation of potentially explosive
	deposits in plumbing.

Product Details

Purification:

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	SMARCA2
Alternative Name:	Brm (SMARCA2 Products)
Background:	Several of the SNF and SWI genes of Saccharomyces cerevisiae encode proteins that are involved in the regulation of transcriptional activation. One of these proteins, SNF2/SWI2, has both Drosophila and mammalian homologues, designated brm. The human Brm protein has been reported to be a 180 kDa nuclear factor that acts as a transcriptional activator when fused to a heterologus DNA binding domain. Transfected Brm, expressed in cells lacking endogenous protein, can cooperate with the glucocorticoid receptor (GR) in transcriptional activation. The cooperation between Brm and GR requires the DNA binding domain of GR and the helicase domain and the P/Q-charged domain of Brm. However, Brm does not affect on several other transcription factors. The retinoblastoma protein, Rb, stimulates the transcription of a number of genes. Like Brm, Rb up-regulates glucocorticoid-receptor-mediated transcription. Brm and Rb interact in vitro and in vivo, requiring the Rb-pocket domain and the consensus Rb-binding motif
Molecular Weight:	of Brm. This antibody is routinely tested by western blot analysis. 180 kDa

Application Details

Comment:	Related Products: ABIN968535, ABIN967389
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	250 μg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store undiluted at -20° C.

Publications

Product cited in:

Wong, Shanahan, Chen, Lian, Ha, Hendricks, Ghaffari, Iliev, Penn, Woodland, Smith, Salada, Carillo, Laity, Gupte, Swedlund, Tavtigian, Teng, Lees: "BRG1, a component of the SWI-SNF complex, is mutated in multiple human tumor cell lines." in: **Cancer research**, Vol. 60, Issue 21, pp. 6171-7, (2000) (PubMed).

Singh, Coe, Hong: "A role for retinoblastoma protein in potentiating transcriptional activation by the glucocorticoid receptor." in: **Nature**, Vol. 374, Issue 6522, pp. 562-5, (1995) (PubMed).

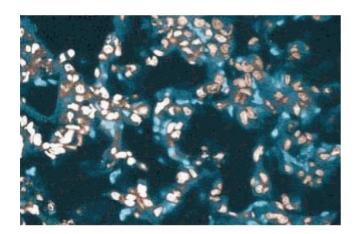
Muchardt, Yaniv: "A human homologue of Saccharomyces cerevisiae SNF2/SWI2 and Drosophila brm genes potentiates transcriptional activation by the glucocorticoid receptor." in: **The EMBO journal**, Vol. 12, Issue 11, pp. 4279-90, (1993) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of Brm on a HeLa cell lysate (Human cervical epitheloid carcinoma, ATCC CCL-2.2). Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of the mouse anti-Brm antibody.



Immunohistochemistry

Image 2. Immunohistochemical staining of a rabbit lung section.

Image 3.



Please check the product details page for more images. Overall 4 images are available for ABIN967939.